

Updated 03/17/2025

[Sign up](#)

## A4Q Certified Selenium Tester training

All-In-One: Preparation & Exam included in the price

3 days (21 hours)

### Presentation

Our A4Q Certified Selenium Tester training course will enable you to prove your skills on the Selenium Webdriver tool. Selenium is the Open Source testing tool with the highest compatibility, supporting all well-known programming languages such as Python, Java, C# and PHP.

Our training will enable you to master all the skills you need to pass the A4Q Selenium Tester certification exam and boost your employability.

Our training program will teach you how to identify and test various elements of a web page, with particular emphasis on graphical user interfaces (GUIs) using Selenium WebDriver.

As with all our training courses, we'll be teaching you the latest version of the tool, [Selenium 4.29](#).

### Objectives

- Understanding the use of automated tools
- Mastering Selenium
- Be ready for certification
- Master automation best practices

### Target audience

- Developers
- Test automation consultants
- Test automation engineers
- Test Automators

## Prerequisites

- Basic programming skills (Java, Python or another language supported by Selenium)
- ISTQB Foundation level certification

## Software requirements

- An IDE
- JDK installed

## Program of our A4Q Certified Selenium Tester training course

### Review of the fundamentals of automated testing

- Objectives and benefits
- Manual versus automated testing
- Success factors
- Selenium's place in a test architecture
- Understanding the benefits and risks of the Selenium family
- Practical work
- Suggested exam questions and annotated answers

### Automatic tests with Selenium WebDriver

- HTML and XML approach
- Using CSS selectors to locate elements in HTML documents
- Use XPath to find certain elements on the page
- Practical work
- Suggested exam questions and annotated answers

### Using Selenium WebDriver

- Use appropriate logging and reporting mechanisms
- URL navigation
- Changing contexts and drivers
- Capture pages and screens

- Localize GUIs (Graphical User Interfaces) with different strategies
- Getting GUI status
- Interacting with GUIs
- Practical work
- Review questions
- Using "pytest", write a Python script including drivers, pages, GUI, HTML, browser
- Using WebDriver for UI, modal dialogs, user prompt

## Automation techniques

- Automation with the Webdriver API
- Managing checkboxes
- The importance of Assertions
- Manage and automate UI elements
- Automating AJAX calls
- Automating Windows childs
- Iframe automation
- Spell automation
- Pagination automation

## Writing maintainable scripts

- Use appropriate expectation mechanisms
- Analyze GUIs under test and create abstractions
- Analyze test scripts
- Set up a keyword policy to structure scripts
- Understanding the factors affecting maintainability
- Practical work
- Corrected revision questions
- Exercise with Page Objects
- Script rewriting exercise with keywords (KDT)

## Companies concerned

This course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology, or to acquire specific business knowledge or modern methods.

## Positioning on entry to training

Positioning at the start of training complies with Qualiopi quality criteria. As soon as registration is finalized, the learner receives a self-assessment questionnaire which enables us to assess his or her estimated level of proficiency in different types of technology, as well as his or her expectations and personal objectives for the training to come, within the limits imposed by the selected format. This questionnaire also enables us to anticipate any connection or security difficulties within the company (intra-company or virtual classroom) which could be problematic for the follow-up and smooth running of the training session.

## Teaching methods

Practical course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

## Organization

The course alternates theoretical input from the trainer, supported by examples, brainstorming sessions and group work.

## Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

## Sanction

A certificate will be issued to each trainee who completes the course.